



THE CITY OF SAN DIEGO

Plan File No.		New Service Sequence No.(s)	
Water Meter Address:			
Building or Project Address:			
Maximum Length of the Water System:	No. of Building Stories:	Flushometer Valve Fixtures Used <input type="checkbox"/> Yes <input type="checkbox"/> No	

TABLE 6-4- 2001 California Plumbing Code

Appliances, Appurtances or Fixtures	Minimum Fixture Branch Pipe Size	Private	Public	Assembly	X	# Fixtures Added	# Fixtures Removed	# Fixtures Remaing	TOTAL ACROSS ±
Bathtub or Combination Bath/Shr (fill)	1/2"	4.0	4.0	-	X				
3/4" Bathtub Fill Valve	3/4"	10.0	10.0	-	X				
Bidet	1/2"	1.0	-	-	X				
Clothes Washer, domestic	1/2"	4.0	4.0	-	X				
Dental Unit, cuspidor	1/2"	-	1.0	-	X				
Dishwasher, domestic	1/2"	1.5	1.5	-	X				
Drinking Fountain or Water Cooler	1/2"	0.5	0.5	0.75	X				
Hose Bib	1/2"	2.5	2.5	-	X				
Hose Bib, each additional	1/2"	1.0	1.0	-	X				
Lavatory	1/2"	1.0	1.0	1.0	X				
Lawn Sprinkler, each head	-	1.0	1.0	-	X				
Mobile Home, each (Minimum)	-	12.0	-	-	X				
Bar Sink	1/2"	1.0	2.0	-	X				
Clinic Faucet Sink	1/2"	-	3.0	-	X				
Clinic Flushometer Valve with or without faucet	1"	-	8.0	-	X				
Kitchen Sink, domestic	1/2"	1.5	1.5	-	X				
Laundry Sink	1/2"	1.5	1.5	-	X				
Service Sink or Mop Basin	1/2"	1.5	3.0	-	X				
Washup Sink, each set of faucets	1/2"	-	2.0	-	X				
Shower, per head	1/2"	2.0	2.0	-	X				
Urinal, 1.0 GPF Flushometer Valve	3/4"	-	3.0	4.0	X				
Urinal, grater than 1.0 GPF Flush V.	3/4"	-	5.0	6.0	X				
Urinal, flush tank	1/2"	2.0	2.0	3.0	X				
Washfountain, circular spray	3/4"	-	4.0	-	X				
Wtr Closet, 1.6 GPF Gravity Tank	1/2"	2.5	2.5	3.5	X				
Wtr Clset, 1.6 GPF Flushomtr Tank	1/2"	2.5	2.5	3.5	X				
Wtr Clset, 1.6 GPF Flushomtr Valve	1"	5.0	5.0	8.0	X				
Wtr Clset, >1.6 GPF Gravity Tank	1/2"	3.0	5.5	7.0	X				
Wtr Clset, >1.6 GPF Flushomtr Valve	1"	5.0	5.0	8.0	X				

For Explanations, see 2001 California Plumbing Code page #79

Total Fixture Units -> Show NET increase in demand

CAPACITY FEES ARE BASED ON ALL NEW AND/OR ADDITIONAL DEMAND

Note: If any fixtures or water requirements are designated by GPM - City Staff will convert all use to GPM for meter sizing.	
I affirm that the information given is correct. The approval given for minimum meter size and maximum water capacity of water pipe are based solely on the information and the building plans. Any deviation under construction will require resubmission of corrected data for determination of adequacy of water pipe and meter sizes.	
Signature (Owner/Tenant or Agent)	Date Signed
The portion below will be completed by the Planning and Development Review Department	
Total F.U. for Water capacity Fees:	Total F.U. for Sewer Capacity Fees: (Total F.U. for Meter Sizing )
Pressure Regulation Required Yes <input type="checkbox"/> No <input type="checkbox"/>	Backflow Preventor Required? Yes <input type="checkbox"/> No <input type="checkbox"/>
Approved Meter Size:	Water Supply Line Size
Development Services Approved By:	Date Approved:

This information is available in alternative formats for persons with disabilities.  
To request this bulletin in alternative format, call (619) 446-5446 or (800) 735-2929 (TT).  
Be sure to see us on the World Wide Web at [www.ci.san-diego.ca.us/development-services](http://www.ci.san-diego.ca.us/development-services)

Instructions for the completion and filing of Water Meter Data Card

Water Meter Address

Often several buildings share one water meter. In this case the water meter address may be different than the permitting building address. Contact the Water Utilities Department at (619) 515-3500, to determine the address of the existing meters. A new meter will require a new address. All addresses are assigned by the Development Services Department.

Building Address

List the building (project) address, if different from the meter address.

Maximum Length of Water System

Provide the maximum length of the water system, measured from the meter to the plumbing fixture furthest from the meter.

Number of Building Stories

Provide the number of building stories.

Water Closet Gravity Tank vs. Flushometer Valve

Carefully place your fixture count in the correct location for accurate meter sizing.

Matrix to Determine Meter Size and Water/Sewer Demand

Complete the columns of the matrix by supplying the quantity and type of fixtures being “Added” “Remaining” and/or “Removed”. **(Note: Relocated are considered “Remaining” since there is no change in demand.)**  
Accuracy of the fixture unit count is necessary to determine the appropriate meter size. **See Figure 1 below for an example.**

Fixture Unit Multiplier

Each plumbing fixture is given a fixture unit value based from the *2001 California Plumbing Code*. Fixture units are used for water meter sizing purposes. The unit count for each fixture is determined by multiplying the number of each fixture type by the number in the multiplier column. (See Examples)

**GENERAL USE**-applies to business, commercial, industrial, and assembly occupancies other than those defined under “Heavy Use”. Included are the public and common areas in hotels, motels,and muti-dwelling buildings.  
**HEAVY USE**-applies to toilet facilities in occupancies which place a heavy, but intermittent time-based demand on the water supply system, such as schools, auditoriums, stadiums, race courses, transportation terminals, theaters, and similar occupancies where queuing is likely to occur during periods of peak use.

FIGURE 1 Example A. of Fixture Matrix use

1.0 multiplied by 2 bar sinks=+2 additional demand, etc.  
“Fixtures Remaining” does not affect fees but it may affect meter sizing

Appliances, Appurtances or Fixtures	Minimum Fixture Branch Pipe Size	Private	Public	Assembly	X	# Fixtures Added	# Fixtures Removed	# Fixtures Remaing	TOTAL ACROSS ±
Bar Sink	1/2"	1.0	2.0	-	X	2	-	-	+2
Bathtub or Combination Bath/Shr (fill)	1/2"	4.0	-	-	X	2	-	-	+8
Bidet	1/2"	1.0	-	-	X	-	-	-	-
Total Fixtures						Show NET Increase or decrease in demand			+10

FIGURE 1 Example A. of Fixture Matrix use

Appliances, Appurtances or Fixtures	Minimum Fixture Branch Pipe Size	Private	Public	Assembly	X	# Fixtures Added	# Fixtures Removed	# Fixtures Remaing	TOTAL ACROSS ±
Bar Sink 1/2"	1/2"	1.0	2.0	-	X	-	1	2	-1
Bathtub or Combination Bath/Shr (fill)	1/2"	4.0	-	-	X	1	-	2	+4
Bidet	1/2"	1.0	-	-	X	1	-	-	+1
Total Fixtures						Show NET Increase or decrease in demand			+4